

Associate Degree Requirements - Applies to all Bachelors Degree options

FIRST SEMESTER					SECOND SEMESTER				
COURSE REQUIREMENT	SUB/EQUIV	CR	GR	SEM	COURSE REQUIREMENT	SUB/EQUIV	CR	GR	SEM
CPT 141 - Internet Foun, Tech, & Dev		3			CPT 155 - Intro to Comp Prog		3		
CPT 172 - Intro to Appl Dev		3			CPT 176 - Info Tech Archts		3		
MA 223 - Intro Analy I (Calculus I)		3			MA 224 - Intro Analy II (Calculus II) ^a		3		
ENGL 101 - English Comp I		3			ENGL 102 - English Comp II		3		
General Business Selective ¹		3			OLS 252 - Human Rel in Org		3		
TOTAL CREDIT HOURS		15			TOTAL CREDIT HOURS		15		

THIRD SEMESTER					FOURTH SEMESTER				
COURSE REQUIREMENT	SUB/EQUIV	CR	GR	SEM	COURSE REQUIREMENT	SUB/EQUIV	CR	GR	SEM
CPT 255 - Prog for the Internet		3			CPT 272 - Database Fundament		3		
CPT 276 - Sys Soft & Networking ^b		4			CPT 280 - Sys Analy & Design Mth		3		
Problem Solving Selective ^{2,c}		3			Statistics Selective ^{4,e}		3		
Economics Selective ^{3,d}		3			Accounting Selective ^{5,f}		3		
COM 114 - Fund of Speech Comm		3			Communications Selective ⁶		3		
TOTAL CREDIT HOURS		16			TOTAL CREDIT HOURS		15		

Bachelors Degree Requirements - Systems Integration Option

FIFTH SEMESTER					SIXTH SEMESTER				
COURSE REQUIREMENT	SUB/EQUIV	CR	GR	SEM	COURSE REQUIREMENT	SUB/EQUIV	CR	GR	SEM
CPT 350 - Object-Oriented Prog		3			CPT 372 - Database Development		3		
CPT 380 - Reqs Discovery & Modeling		3			CPT 385 - Advanced Design Technqs		3		
Free Elective ⁷		3			CPT 310 - Career Planning Seminar		1		
Profession Speaking Selective ⁸		3			Professional Writing Selective ¹⁰		3		
Interdisciplinary Selective ⁹		3			Interdisciplinary Selective ⁹		3		
TOTAL CREDIT HOURS		15			Liberal Arts Elective ¹¹		3		
					TOTAL CREDIT HOURS		16		

SEVENTH SEMESTER					EIGHTH SEMESTER				
COURSE REQUIREMENT	SUB/EQUIV	CR	GR	SEM	COURSE REQUIREMENT	SUB/EQUIV	CR	GR	SEM
Systems Integration Selective ¹²		3			CPT 480 - Managing Info Tech Projs		3		
Technology Selective ¹³		3			Technology Selective ¹³		3		
Liberal Arts Elective ¹¹		3			Liberal Arts Elective ¹¹		3		
Interdisciplinary Selective ⁹		3			Interdisciplinary Selective ⁹		3		
Interdisciplinary Selective ⁹		3			Interdisciplinary Selective ⁹		3		
TOTAL CREDIT HOURS		15			TOTAL CREDIT HOURS		15		

*** Note: a minimum grade of "C" is required in a prerequisite CPT course before moving on to its postrequisite course(s). ***

Also, a minimum grade point average of 2.00 calculated for all CPT courses is required for graduating with any CPT degree.

*** A student may only take a CPT course a maximum of three times, including withdrawals. ***

*** Only those courses shown below in bold are offered at the North Central campus. However, they may not be offered each semester. ***

¹**IET 104**, IT 104, BUS W100, BUS X100

²**CHEM 111**, **CHEM 115**, **PHYS 152**, **PHYS 220**, PHIL 120, PHIL 150, PHYS 218, CHEM C101, PHIL P150, PHIL P162

³**ECON 210**, **ECON 251**, **ECON 252**, AGECE 217, ECON E103, ECON E104, ECON E201, ECON E202

⁴**STAT 225**, **STAT 301**, STAT 433, STAT 501, STAT 511, ECON E270, MA K310, STAT K310

⁵**MGMT 200**, MGMT 190, BUS A201

⁶**COM 314**, **COM 315**, **COM 320**, **COM 415**, **COM 491**, COM 210, SPCH C281, SPCH S122, SPCH S223, SPCH S229

^a Students pursuing any B.S. degree in Computer Technology must take MA 224 . Terminal A.S. degree students may use a free elective here.
^b Students pursuing a B.S. degree in Computer Technology with the Telecommunications Option must take CPT 230 instead of CPT 276 . All other B.S. degree options require CPT 276 . Terminal A.S. degree students may use either CPT 276 or CPT 230.
^{c,d,e,f} Students pursuing a B.S. degree in Computer Technology with the Telecommunications Option must take all of the following courses in place of those referenced by the designated letters: (PHYS 220 or PHYS 218) ^c , ECET 214/299A ^d , (PHYS 221 or PHYS 219) ^e , and ECET 233 ^f . All other B.S. degree options and terminal A.S. degree students may substitute any of these courses in place of their referenced course.

⁷With the exception of remedial courses any course may fulfill this free elective requirement.

⁸**COM 315, COM 320, COM 325, COM 415, OLS 474, COM C223, COM C380**

⁹ Students must select one course from each of the following interdisciplinary areas. Students can petition for alternate sequences through the CPT Appropriate Curriculum Committee. The course sequence must represent a problem area to which computing can be applied.		
<i>Interdisciplinary area</i>	<i>Selective Courses</i>	<i>PNC Course to use</i>
Business Law	MGMT 354 - Legal Foundation for Business I	GBG 260
	MGMT 455 - Legal Background for Business I	
	BUS L203 - Commercial Law	
Finance	IT 451 - Monetary Analysis for Industrial Decisions	IET 451
	MGMT 201 - Managerial Accounting	MGMT 201
	MGMT 310 - Principles of Finance	GBG 333
	IT 450 - Production Cost Analysis	
	BUS A202 - Introduction to Managerial Accounting	
Manufacturing	CIMT 243 - Automated Manufacturing I	CIMT 243
	MET 451 - Manufacturing Quality Control	MET 451
	CIMT 400 - Computer-Integrated Manufacturing	
	IE 477 - Work Methods and Measurements	
	IT 345 - Automatic Identification and Data Capture	
Marketing	MGMT 323 - Introduction to Marketing Analysis	MGMT 323
	MGMT 324 - Marketing Management	GBM 329
Organiz Behavior & Human Res	COM 324 - Introduction to Organizational Communication	COM 324
	OLS 375 - Training Methods	OLS 375
	OLS 376 - Human Resources Issues	OLS 376
	OLS 477 - Conflict Management	OLS 477
	OLS 486 - Management of Change	OLS 486
	PSY 372 - Introduction to Industrial Organization Psychology	PSY 372
	OLS 351 - Innovation and Entrepreneurship	
	OBHR 300 - Management of Human Resources	
OBHR 330 - Organizational Behavior		
Quality Control	MET 451 - Manufacturing Quality Control	MET 451
	OLS 484 - Leadership Strategies for Quality & Productivity	OLS 484
	CIMT 451 - Manufacturing Quality Control	
	IT 342 - Introduction to Statistical Quality	

¹⁰**ENGL 420, ENGL 421, ENGL 424, TCM 220, ENGL W231, ENGL W321, ENGL W350, BUS X204**

¹¹Courses must be selected from the following departments: Anthropology, **Art & Design**, Classics, **Communication**, **Economics**, **Education**, **English**, **History**, **Interdisciplinary Studies**, **Modern Languages (beyond Level I)**, **Music**, **Philosophy**, **Political Science**, **Psychology**, **Sociology**, **Theater**, and the following courses in **Child Development and Family Studies**: **211, 255, 432, 201** (2 credits), **301** (2 credits), or **430**.

¹²**CPT 499R - Enterprise Resource Planning Applications**, CPT 499 - IT Procurement, TECH 552 - Information Technology Project and Process Management, TECH 581B - Business Process Redesign

¹³**CPT 361 - Software Redesign Using COBOL, CPT 475 - Electronic Commerce and Business Implementation, CPT 392 - Database Design and Implementation**, CGT 256 - Human Computer Interface Theory and Design, CPT 450 - Enterprise Application Development, CPT 488 - Data Warehousing, IT 345 - Automatic Identification and Data Capture

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